(19) World Intellectual Pr perty Organization International Bureau



(43) International Publication Date 4 January 2001 (04.01.2001)

PCT

(10) International Publicati n Number WO 01/00515 A1

(51) International Patent Classification7:

B65H 18/26

(21) International Application Number: PCT/FI00/00501

(22) International Filing Date: 6 June 2000 (06.06.2000)

(25) Filing Language:

Finnish

(26) Publication Language:

English

(30) Priority Data:

991450

24 June 1999 (24.06.1999) F

- (71) Applicant (for all designated States except US): VALMET CORPORATION [FI/FI]; Fabianinkatu 9 A, FIN-00130 Helsinki (FI).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MÄKINEN, Risto [FI/FI]; Sointulantie 2, FIN-04600 Mäntsälä (FI). EN-WALD, Petri [FI/FI]; Karkiantie 1 E, FIN-04310 Tuusula (FI). VERÄJÄNKORVA, Janne [FI/FI]; Nuumäentie 7 A 3, FIN-02710 Espoo (FI).

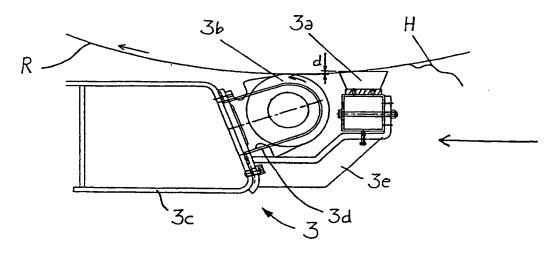
- (74) Agent: TAMPEREEN PATENTTITOIMISTO OY; Hermiankatu 6, FIN-33720 Tampere (FI).
- (81) Designated States (national): AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

With international search report.

[Continued on next page]

(54) Title: A METHOD AND A DEVICE IN CONNECTION WITH A REEL-UP



(57) Abstract: In the method in connection with a reel-up of a paper web there is a rotating reel spool (2) around which a reel (R) has been formed from the paper web (W) passed to the reel-up. In the method web (W) passed to the reel is cut, and the surface layers of the reel are bound by means of a press device (3) which is in contact with the surface of the rotating reel (R) and comprises a press member (3b) forming a nip with the peripheral surface of the reel and rotating substantially at the same surface speed therewith. In addition to using the press member (3b), the final end, i.e. tail (H) of the web that travels along with the rotating motion of the reel is guided against the peripheral surface of the reel (R) by means of a guiding member (3a), which is located within a distance from the press member (3b) in the direction of the peripheral surface of the reel and whose surface that is located opposite to the reel has a lower speed in the direction of motion of the peripheral surface of the reel than the peripheral surface of the reel (R).



WO 01/00515 A